TA	pplication No.	Applicant(s)	
		OBARA ET AL.	
L	0/526,952	Art Unit	
Notice of Allowability	xaminer	0647	
1.5	ai A. Phuong	2617	
The MAILING DATE of this communication appears a claims being allowable, PROSECUTION ON THE MERITS IS (O) crewith (or previously mailed), a Notice of Allowance (PTOL-85) or OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOTICE OF ALLOWABILITY IS NOT A GRANT OF ALLOWABILITY IS NOT EXTENDED IN THE CONTROL OF ALLOWABILITY IS NOT EXTENDED IN THIS THREE MONTH PERIOD IS NOT EXTENDABLE. 4 A SUBSTITUTE OATH OR DECLARATION must be substituted below. Failure to timely comply will result in ABANDONN THIS THREE MONTH PERIOD IS NOT EXTENDABLE. 5 CORRECTED DRAWINGS (as "replacement sheets") must be substituted in the control of the priority documents in the paper No./Mail Date	thrs. This application and MPEP 1308. der 35 U.S.C. § 119(a) been received. been received in Application and MPEP 1308. of this communication MENT of this application mitted. Note the attach wes reason(s) why the ust be submitted. er's Amendment / Communication and the header according to the header according to the header according the manual of the header according the header according the manual of the header according the manual of the header according to the header acc	is subject to withdrawai from its subject to withdrawai from its policy of the control of the co	plication from the ne requirements T or NOTICE OF (not the back) of nitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-9 3. Information Disclosure Statements (PTO-1449 or PTO/Paper No./Mail Date	(48) 6. ☐ tr (/SB/08), 7. ☐ E osit 8. ⊠ f	Notice of Informal Patent Applicanterview Summary (PTO-413), Paper No./Mail Date Examiner's Amendment/Comme Examiner's Statement of Reaso Other	ent

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DETAILED ACTION

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowed:

Claims 1-4 are allowed.

Claim 4 is dependent on claim 3.

Regarding claim 1, the prior art record does not disclose nor fairly suggest a radio communication device comprising: an antenna common for transmitting and receiving for meeting a first frequency band and a second frequency band; a first transmitting unit for transmitting so as to meet the first frequency band; a first receiving unit for receiving so as to meet the first frequency band; a first antenna sharing device for connecting an output part of the first transmitting unit to an input part of the first receiving unit; a second transmitting unit for transmitting so as to meet the second frequency band; a second receiving unit for receiving so as to meet the second frequency band; a second antenna sharing device for connecting an output part of the second transmitting unit to an input part of the second receiving unit; a wave separator for connecting the antenna to the first antenna sharing device and the second antenna sharing device, wherein the wave separator is adapted to perform a filtering operation; a transmitting band switching signal generating unit for operating either of the first transmitting unit and the second transmitting unit to generate a transmitting band switching signal for switching a transmitting frequency band; a receiving band switching signal generating unit for operating either of the first receiving unit and the second receiving unit to generate a receiving band switching signal for switching a receiving frequency band; and a control unit for controlling the operations of Art Unit: 2617

the first and second transmitting units, the first and second receiving units, the transmitting band switching signal generating unit and the receiving band switching signal generating unit.

Regarding claim 2, the prior art record does not disclose nor fairly suggest a radio communication device comprising: a first antenna common for transmitting and receiving for meeting a first frequency band; a first transmitting unit for transmitting so as to meet the first frequency band; a first receiving unit for receiving so as to meet the first frequency band; a first antenna sharing device for connecting an output part of the first transmitting unit to an input part of the first receiving unit; a second antenna common for transmitting and receiving for meeting a second frequency band; a second transmitting unit for transmitting so as to meet the second frequency band; a second receiving unit for receiving so as to meet the second frequency band; a second antenna sharing device for connecting an output part of the second transmitting unit to an input part of the second receiving unit; a wave separator for connecting the first antenna or the second antenna to the first antenna sharing device and the second antenna sharing device; an antenna switching unit for switching the connection of the wave separator to the first and second antennas; a transmitting band switching signal generating unit for operating either of the first transmitting unit and the second transmitting unit to generate a transmitting band switching signal for switching a transmitting frequency band; a receiving band switching signal generating unit for operating either of the first receiving unit and the second receiving unit to generate a receiving band switching signal for switching a receiving frequency band; an antenna switching signal generating unit for delaying the receiving band switching signal by a

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prescribed amount to generate an antenna switching signal for controlling the antenna switching unit; and a control unit for controlling the operations of the first and second transmitting units, the first and second receiving units, the transmitting band switching signal generating unit and the receiving band switching signal generating unit.

Regarding claim 3, the prior art record does not disclose nor fairly suggest a radio communication device comprising: a first antenna common for transmitting and receiving for meeting a first frequency band; a first transmitting unit for transmitting so as to meet the first frequency band; a first receiving unit for receiving so as to meet the first frequency band; a first antenna sharing device for connecting an output part of the first transmitting unit to an input part of the first receiving unit; a second antenna common for transmitting and receiving for meeting a second frequency band; a second transmitting unit for transmitting so as to meet the second frequency band; a second receiving unit for receiving so as to meet the second frequency band; a second antenna sharing device for connecting an output part of the second transmitting unit to an input part of the second receiving unit; an external connector part for connecting an external antenna; an antenna switching unit for switching the connection of the first antenna, the second antenna and the external connector part to the first and second antenna sharing devices; a transmitting band switching signal generating unit for operating either of the first transmitting unit and the second transmitting unit to generate a transmitting band switching signal for switching a transmitting frequency band; a receiving band switching signal generating unit for operating either of the first receiving unit and the second receiving unit to generate a receiving band switching signal for switching a receiving frequency band; an antenna

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switching signal generating unit for delaying the receiving band switching signal by a

prescribed amount to generate an antenna switching signal for controlling the antenna

switching unit; and a control unit for controlling the operations of the first and second

transmitting units, the first and second receiving units, the transmitting band switching

signal generating unit, the receiving band switching signal generating unit and the antenna

switching unit.

Any comments considered necessary by applicant must be submitted no later than the 2.

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

Such submission should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dai A Phuong whose telephone number is 571-272-7896. The

examiner can normally be reached on Monday to Friday, 9:00 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nguyen M Duc can be reached on 571-272-7503. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dai Phuong

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Date: 03-30-2006

PRIMARY EXAMINER